IN THE CLAIMS:

Please amend Claim 1 as follows.

1.   (Currently Amended) A geometric model conversion method of converting a three-dimensional CAD geometric analytical model of a thin-walled structure into a two-dimensional analytical model, comprising:

a step of generating a plurality of tetrahedral solid elements each of which has single-layered structure in a plate thickness direction, by dividing an input three-dimensional CAD geometric analytical model which has a thin-walled structure, <u>a surface and an opposing point of the tetrahedral solid element being in contact with two opposite surfaces of the thin-walled structure, or two sides of the tetrahedral solid element being in contact with two opposite surfaces of the thin-walled structure,</u>

<u>a step of generating intermediate nodes of sides that extend in a direction of plate thickness in each tetrahedral solid element,</u>

a step of connecting <u>the</u> intermediate nodes ~~of sides that extend in a direction of plate thickness in each tetrahedral solid element~~ to generate a plurality of triangular shell elements or rectangular shell elements as the two-dimensional analytical model, and

a step of executing an injection molding analysis with respect to each shell element of the two-dimensional analytical model generated in said connecting step and outputting results of the injection molding analysis.

Claims 2-4.   (Cancelled).